

TRANSMISSION SCHEDULING COORDINATION AMONG COLLOCATED
INTERNET RADIOS

ABSTRACT OF THE INVENTION

A method for collocated nodes communicating over a first interface to agree on a conflict-free transmission schedule among themselves, which they can then use to collaborate with neighbors accessed through a second interface, for example through wireless links in order to obtain collision-free transfers of unicast, multicast and broadcast packets over wireless channels, and channel access delay guarantees. The collocated nodes behave as a single virtual node for the purpose of establishing a consistent transmission schedule throughout the nodes of a multihop wireless network.